

three inches = one foot

one and one-half inch = one foot

one inch = one foot

three-quarters inch = one foot

one-half inch = one foot

one-half inch = one foot

three-quarters inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot

AIR HANDLING UNIT SCHEDULE – STEAM/CHILLED WATER

TAG	SERVICE	CFM	MIN OA	RETURN FANWALL ARRAY				STEAM COIL 30 PSIG				CHILLED WATER COIL								SUPPLY FANWALL ARRAY				ELECTRICAL				DESIGN EQUIPMENT					
				QUANTITY	TOTAL HP	ESP	RPM	MBH	LB/HR	EAT	LAT	TMBH	SMBH	GPM	PD	FPM	ROWS	EWT	LWT	EAT(db)	EAT(wb)	LAT(db)	LAT(wb)	QUANTITY	TOTAL HP	ESP	TSP		RPM	VOLT	PH	MCA	STARTER
AHU-7A-1	VENTILATION	13,000	5,000	4	5	1.2	1260	337	36.4	44.6	65	416	344	60	6.8	433	6	45	55	79.2	64.7	54.3	53.6	4	15	1.4	4.1	2210	208	3	60.9	PKG0	

NOTES:

- CONTRACTOR SHALL FOLLOW OWNER'S TAGGING SYSTEM FOR LABELING AHU.
- UNIT SHALL BE PROVIDED WITH MERV-8 PREFILTERS AND MERV-14 FINAL FILTERS

REHEAT COIL – STEAM

TAG	LOCATION	SERVICE	FV FPM	APD in wg	CFM	SIZE				STEAM COIL: 30 PSIG				DESIGN EQUIPMENT
						ROWS	L	H	FPI	MBH	LB/HR	EAT	LAT	
RHC-7A-1	CEILING	REHEAT	1067	0.4	3200	1	24	18	4	112	117	60	92	

VALANCE SCHEDULE

TAG	CIRCUITING (* ROWS)	COIL LENGTH	CHILLED WATER - 45 °F EWT				DESIGN EQUIPMENT
			AWT	BTU/FT	TMBH	GPM	
VAL-1	4+3	-	49	480	-	-	
VAL-2	5+4	-	49	640	-	-	

NOTES:

- CONTRACTOR SHALL INSTALL VALANCE UNITS PER MANUFACTURE RECOMMENDATIONS TO MAINTAIN ALL CRITICAL DIMENSIONS FOR RATED PERFORMANCE WHILE ACCOMMODATING FIELD CONDITIONS AND AN AESTHETICALLY PLEASING APPEARANCE.
- COOLING COIL RATING CONDITIONS (BTUH) ARE BASED ON 75°F EAT, 70% SENSIBLE HEAT, AND 30% LATENT HEAT.
- COIL PRESSURE DROP SHALL NOT EXCEED 10 FT. P.D. (HEATING AND COOLING CIRCUITS). 15 FT. P.D. INCLUDING CONTROL VALVE.
- COIL ROWS ARE DESIGNATED BY * OF TUBES ON TOP TIER/ * OF TUBES ON BOTTOM TIER. VALANCE ENCLOSURE SHALL EXTEND WALL-TO-WALL.
- VALANCE UNIT BE FACTORY PAINTED A STANDARD COLOR.
- VALUES NOTED AS - ARE INDICATED ON THE FLOOR PLAN.

REGISTERS, GRILLES AND DIFFUSERS

TAG	TYPE	PANEL SIZE	MATERIAL	FINISH/ COLOR	DESIGN EQUIPMENT
1	SUPPLY	24x24	STEEL	BY ARCH.	SQUARE CONE DIFFUSER
2	SUPPLY	SEE NOTE 1	STEEL	BY ARCH.	LOUVERED BAR REGISTER
A	EXHAUST	SEE NOTE 1	STEEL	BY ARCH.	LOUVERED BAR REGISTER

NOTES:

- CONTRACTOR SHALL PROVIDE GRILLE AS INDICATED BY THE NECK SIZE ON EACH DIFFUSER TAG. CONTRACTOR SHALL TRANSITION INCOMING DUCTWORK TO NECK SIZE OF GRILLE AS NEEDED.

CLEAN STEAM GENERATOR

TAG	INLET PRESS. (PSI)	INLET (LB./HR.)	DISCHARGE PRESS. (PSI)	DISCHARGE (LB./HR.)
CSG-7A-1	30	30.0	8	38.1

NOTES:

- CONTRACTOR SHALL FOLLOW OWNER'S TAGGING SYSTEM FOR LABELING CLEAN STEAM GENERATOR.

HUMIDIFIER SCHEDULE

TAG	SERVICE	CFM	STEAM PSIG	STEAM LB/HR	TUBE NO.	SPACING
HU-7A-1	AHU-7A-1	3000	8	30	2	6" OC

PRESSURE REDUCING VALVE SCHEDULE

TAG	LOCATION	INLET PRESSURE (PSIG)	OUTLET PRESSURE (PSIG)	INLET FPM	OUTLET FPM	SIZE (IN)	PORT	CAPACITY LBS/HR	SAFETY VALVE SETTING	ESTIMATED NOISE @ 3 FT. (FILL PORT)	RELIEF VALVE CAPACITY (FULL PORT)	NOISE SUPPRESSOR	DESIGN EQUIPMENT
PRV-7A-1	MECHANICAL RM.	95	30	13202	17381	1"	FULL	762	36	64.4 db	922 LBS/HR	Y	SPENCE

ABBREVIATIONS AND TAGS

SYMBOL	DESCRIPTION
MBH	THOUSAND BTU/HOUR
CFM	CUBIC FEET PER MINUTE
FPM	FEET PER MINUTE
AD	ACCESS DOOR
(E)	EXISTING
AFF	ABOVE FINISHED FLOOR
NTS	NOT TO SCALE
GC	GENERAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
○	REMOVAL KEYNOTE
○	INSTALLATION KEYNOTE
⬅	REMOVE TO THIS POINT
⬅	CONNECTION TO EXISTING

CONTROL/SYMBOLS LEGEND

SYMBOL	DESCRIPTION
Ⓢ	TEMPERATURE SENSOR
Ⓢ	DUCT SMOKE DETECTOR

DUCTWORK LEGEND

SYMBOL	DESCRIPTION
⬅	DUCT SECTION - SUPPLY
⬅	DUCT SECTION - RETURN
⬅	WIDTH A x DEPTH B
⬅	ROUND DUCT IN INCHES
⬅	TRANS: SQUARE TO ROUND
⬅	RISE IN DUCT
⬅	DROP IN DUCT
⬅	SUPPLY/RETURN/ EXHAUST AIR TAP: OFF S
⬅	SUPPLY/RETURN/ EXHAUST AIR TAP: OFF S
⬅	SUPPLY AIR TAP: OFF S
⬅	LONG RADIUS 90° ELBOW R/R
⬅	LONG RADIUS 45° ELBOW R/R
⬅	90° ELBOW WITH TURNING VANES
⬅	DUCT TURNING UP OR DOWN
⬅	SUPPLY DIFFUSER, REGISTER OR GRILLE
⬅	RETURN OR EXHAUST REGISTER OR GRILLE

DUCTWORK SYMBOLS AND TAGS

SYMBOL	DESCRIPTION
⬅	VOLUME DAMPER
---SD	SMOKE DAMPER
---FD	FIRE DAMPER
---AAD	AUTOMATIC AIR DAMPER
⬅	AIRFLOW DIRECTION
⬅	REGISTER, GRILLE, DIFFUSER
⬅	T = TYPE
⬅	NECK SIZE

PIPING ABBREVIATIONS

SYMBOL	DESCRIPTION
⬅	MEDIUM PRESSURE STEAM
⬅	LOW PRESSURE STEAM
⬅	MEDIUM PRESSURE CONDENSATE
⬅	LOW PRESSURE CONDENSATE
⬅	EXISTING PIPING
⬅	CHILLED WATER SUPPLY
⬅	CHILLED WATER RETURN
⬅	DRAIN

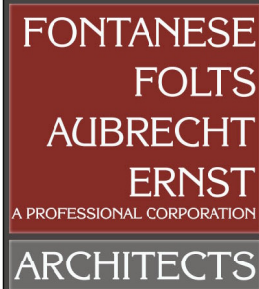
PIPING LEGEND

SYMBOL	DESCRIPTION
⬅	TEMPERATURE SWITCH
⬅	AUTOMATIC AIR VENT
⬅	MANUAL AIR VENT
⬅	FLOW SWITCH
⬅	PRESSURE SWITCH
⬅	THERMOMETER
⬅	PRESSURE GAUGE
⬅	PIPE CAP OR PLUG
⬅	TEE - BOTTOM CONNECTION
⬅	TEE - TOP CONNECTION
⬅	ELBOW - UP, DOWN
⬅	UNION
⬅	REDUCER
⬅	GATE VALVE
⬅	BALL VALVE
⬅	BUTTERFLY VALVE
⬅	BALANCE VALVE
⬅	CHECK VALVE
⬅	ELECTRONIC 2WAY CTRL VLV
⬅	ELECTRONIC 3WAY CTRL VLV
⬅	STRAINER WITH BLOWDOWN
⬅	FLEXIBLE CONNECTION

Steam Changes	01/04/13
Revisions	Date



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Architect's Stamp

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Engineer's Stamp

CARDIOLOGY MANAGER	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title

SCHEDULE AND LEGENDS

MEDICAL CENTER DIRECTOR

Project Title

REMODEL WARD 7A -
INFUSION CENTER

Building Number

1

Checked

JWM

Drawn

JWM

Location

V.A.M.C. BUFFALO, NEW YORK

Date

SEPTEMBER 22, 2011

Station No.

528

11-102-H600

